



## SEQUENCE LISTING

<110> Glimcher, Laurie H.  
Szabo, Susanne, J.

<120> T-BET COMPOSITIONS AND METHODS OF USE THEREOF

<130> HUI-040CP

<140> US 10/008264

<141> 2001-12-03

<150> PCT/US00/15345

<151> 2000-06-01

<150> US 60/137085

<151> 1999-06-02

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<170> PatentIn Ver. 2.0

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<221> CDS

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Pro Met Pro Gly Ser Asp Glu Gly Arg Ala Pro Gly Ala Asp Pro Gln	
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cac cgc tac ttc tac ccg gag ccg ggc gcg cag gac gcg gac gag cgt	144
His Arg Tyr Phe Tyr Pro Glu Pro Gly Ala Gln Asp Ala Asp Glu Arg	
35 40 45	
cgc ggg ggc ggc agc ctg ggg tct ccc tac ccg ggg ggc gcc ttg gtg	192
Arg Gly Gly Gly Ser Leu Gly Ser Pro Tyr Pro Gly Gly Ala Leu Val	
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ccc gcc ccg ccg agc cgc ttc ctt gga gcc tac gcc tac ccg ccg cga	240
Pro Ala Pro Pro Ser Arg Phe Leu Gly Ala Tyr Ala Tyr Pro Pro Arg	
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Pro Gln Ala Ala Gly Phe Pro Gly Ala Gly Glu Ser Phe Pro Pro Pro	
85 90 95	
gcg gac gcc gag ggc tac cag ccg ggc gag ggc tac gcc gcc ccg gac	336
Ala Asp Ala Glu Gly Tyr Gln Pro Gly Glu Gly Tyr Ala Ala Pro Asp	
100 105 110	

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gcg gga ctg gag gtg tcg ggg aaa ctg agg gtc gcg ctc aac aac cac Ala Gly Leu Glu Val Ser Gly Lys Leu Arg Val Ala Leu Asn Asn His 130 135 140	432
ctg ttg tgg tcc aag ttt aat cag cac cag aca gag atg atc atc acc Leu Leu Trp Ser Lys Phe Asn Gln His Gln Thr Glu Met Ile Ile Thr 145 150 155 160	480
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acg cat atc ttt act ttc caa gaa acc cag ttc att gcc gtg act gcc Thr His Ile Phe Thr Phe Gln Glu Thr Gln Phe Ile Ala Val Thr Ala 290 295 300	912
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gcc aaa gga ttc cgg gag aac ttt gag tcc atg tac aca tct gtt gac Ala Lys Gly Phe Arg Glu Asn Phe Glu Ser Met Tyr Thr Ser Val Asp 325 330 335	1008
acc agc atc ccc tcc ccg cct gga ccc aac tgt caa ttc ctt ggg gga Thr Ser Ile Pro Ser Pro Pro Gly Pro Asn Cys Gln Phe Leu Gly Gly 340 345 350	1056

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Asp His Tyr Ser Pro Leu Leu Pro Asn Gln Tyr Pro Val Pro Ser Arg  
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Phe Tyr Pro Asp Leu Pro Gly Gln Ala Lys Asp Val Val Pro Gln Ala  
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Tyr Trp Leu Gly Ala Pro Arg Asp His Ser Tyr Glu Ala Glu Phe Arg  
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Ala Val Ser Met Lys Pro Ala Phe Leu Pro Ser Ala Pro Gly Pro Thr  
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Met Ser Tyr Tyr Arg Gly Gln Glu Val Leu Ala Pro Gly Ala Gly Trp  
420 425 430

cct gtg gca ccc cag tac cct ccc aag atg ggc ccg gcc agc tgg ttc 1344  
Pro Val Ala Pro Gln Tyr Pro Pro Lys Met Gly Pro Ala Ser Trp Phe  
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Arg Pro Met Arg Thr Leu Pro Met Glu Pro Gly Pro Gly Gly Ser Glu  
450 455 460

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Gly Arg Gly Pro Glu Asp Gln Gly Pro Pro Leu Val Trp Thr Glu Ile  
465 470 475 480

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tct aag agg agg cgc gtg tcc ccc tat cct tcc agt ggt gac agc tcc 1536  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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 Arg Gly Gly Gly Ser Leu Gly Ser Pro Tyr Pro Gly Gly Ala Leu Val  
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 Pro Ala Pro Pro Ser Arg Phe Leu Gly Ala Tyr Ala Tyr Pro Pro Arg  
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 Pro Gln Ala Ala Gly Phe Pro Gly Ala Gly Glu Ser Phe Pro Pro Pro  
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 Ala Asp Ala Glu Gly Tyr Gln Pro Gly Glu Gly Tyr Ala Ala Pro Asp  
 100 105 110  
 Pro Arg Ala Gly Leu Tyr Pro Gly Pro Arg Glu Asp Tyr Ala Leu Pro  
 115 120 125  
 Ala Gly Leu Glu Val Ser Gly Lys Leu Arg Val Ala Leu Asn Asn His  
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 Leu Leu Trp Ser Lys Phe Asn Gln His Gln Thr Glu Met Ile Ile Thr  
 145 150 155 160  
 Lys Gln Gly Arg Arg Met Phe Pro Phe Leu Ser Phe Thr Val Ala Gly  
 165 170 175  
 Leu Glu Pro Thr Ser His Tyr Arg Met Phe Val Asp Val Val Leu Val  
 180 185 190  
 Asp Gln His His Trp Arg Tyr Gln Ser Gly Lys Trp Val Gln Cys Gly  
 195 200 205  
 Lys Ala Glu Gly Ser Met Pro Gly Asn Arg Leu Tyr Val His Pro Asp  
 210 215 220  
 Ser Pro Asn Thr Gly Ala His Trp Met Arg Gln Glu Val Ser Phe Gly  
 225 230 235 240  
 Lys Leu Lys Leu Thr Asn Asn Lys Gly Ala Ser Asn Asn Val Thr Gln  
 245 250 255  
 Met Ile Val Leu Gln Ser Leu His Lys Tyr Gln Pro Arg Leu His Ile  
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 Val Glu Val Asn Asp Gly Glu Pro Glu Ala Ala Cys Asn Ala Ser Asn  
 275 280 285  
 Thr His Ile Phe Thr Phe Gln Glu Thr Gln Phe Ile Ala Val Thr Ala  
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 Tyr Gln Asn Ala Glu Ile Thr Gln Leu Lys Ile Asp Asn Asn Pro Phe  
 305 310 315 320  
 Ala Lys Gly Phe Arg Glu Asn Phe Glu Ser Met Tyr Thr Ser Val Asp  
 325 330 335  
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 340 345 350

Asp His Tyr Ser Pro Leu Leu Pro Asn Gln Tyr Pro Val Pro Ser Arg  
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 Phe Tyr Pro Asp Leu Pro Gly Gln Ala Lys Asp Val Val Pro Gln Ala  
 370 375 380  
 Tyr Trp Leu Gly Ala Pro Arg Asp His Ser Tyr Glu Ala Glu Phe Arg  
 385 390 395 400  
 Ala Val Ser Met Lys Pro Ala Phe Leu Pro Ser Ala Pro Gly Pro Thr  
 405 410 415  
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 Pro Val Ala Pro Gln Tyr Pro Pro Lys Met Gly Pro Ala Ser Trp Phe  
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 Pro Met Pro Ser Asp Glu Gly Arg Gly Pro Gly Ala Asp Gln Gln His  
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 Arg Phe Phe Tyr Pro Glu Pro Gly Ala Gln Asp Pro Thr Asp Arg Arg  
 35 40 45

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cgc gcg ggg ctc tac cca ggg ccg cgc gag gac tac gca ttg ccc gcg Arg Ala Gly Leu Tyr Pro Gly Pro Arg Glu Asp Tyr Ala Leu Pro Ala 115 120 125	384
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gag ccc aca agc cat tac agg atg ttt gtg gat gtg gtc ttg gtg gac Glu Pro Thr Ser His Tyr Arg Met Phe Val Asp Val Val Leu Val Asp 180 185 190	576
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gca gaa ggc agc atg cca ggg aac cgc tta tat gtc cac cca gac tcc Ala Glu Gly Ser Met Pro Gly Asn Arg Leu Tyr Val His Pro Asp Ser 210 215 220	672
ccc aac acc gga gcc cac tgg atg cgc cag gaa gtt tca ttt ggg aag Pro Asn Thr Gly Ala His Trp Met Arg Gln Glu Val Ser Phe Gly Lys 225 230 235 240	720
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Gln Asn Ala Glu Ile Thr Gln Leu Lys Ile Asp Asn Asn Pro Phe Ala	
305 310 315 320	
aaa gga ttc cgg gag aac ttt gag tcc atg tac gca tct gtt gat acg	1008
Lys Gly Phe Arg Glu Asn Phe Glu Ser Met Tyr Ala Ser Val Asp Thr	
325 330 335	
agt gtc ccc tcg cca cct gga ccc aac tgt caa ctg ctt ggg gga gac	1056
Ser Val Pro Ser Pro Pro Gly Pro Asn Cys Gln Leu Leu Gly Gly Asp	
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Tyr Pro Asp Leu Pro Gly Gln Pro Lys Asp Met Ile Ser Gln Pro Tyr	
370 375 380	
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Trp Leu Gly Thr Pro Arg Glu His Ser Tyr Glu Ala Glu Phe Arg Ala	
385 390 395 400	
gtg agc atg aag ccc aca ctc cta ccc tct gcc ccg ggg ccc act gtg	1248
Val Ser Met Lys Pro Thr Leu Leu Pro Ser Ala Pro Gly Pro Thr Val	
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ccc tac tac cgg ggc caa gac gtc ctg gcg cct gga gct ggt tgg ccc	1296
Pro Tyr Tyr Arg Gly Gln Asp Val Leu Ala Pro Gly Ala Gly Trp Pro	
420 425 430	
gtg gcc cct caa tac ccg ccc aag atg agc cca gct ggc tgg ttc cgg	1344
Val Ala Pro Gln Tyr Pro Pro Lys Met Ser Pro Ala Gly Trp Phe Arg	
435 440 445	
ccc atg cga act ctg ccc atg gac ccg ggc ctg gga tcc tca gag gaa	1392
Pro Met Arg Thr Leu Pro Met Asp Pro Gly Leu Gly Ser Ser Glu Glu	
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Gln Gly Ser Ser Pro Ser Leu Trp Pro Glu Val Thr Ser Leu Gln Pro	
465 470 475 480	
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Glu Pro Ser Asp Ser Gly Leu Gly Glu Gly Asp Thr Lys Arg Arg Arg	
485 490 495	
ata tcc ccc tat cct tcc agt ggc gac agc tcc tct ccc gct ggg gcc	1536
Ile Ser Pro Tyr Pro Ser Ser Gly Asp Ser Ser Ser Pro Ala Gly Ala	
500 505 510	
cct tct cct ttt gat aag gaa acc gaa ggc cag ttt tat aat tat ttt	1584
Pro Ser Pro Phe Asp Lys Glu Thr Glu Gly Gln Phe Tyr Asn Tyr Phe	
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Pro Asn  
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1593

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Ala Ala Pro Gly Arg Phe Leu Gly Ser Phe Ala Tyr Pro Pro Arg Ala  
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Gln Val Ala Gly Phe Pro Gly Pro Gly Glu Phe Phe Pro Pro Pro Ala  
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Gly Ala Glu Gly Tyr Pro Pro Val Asp Gly Tyr Pro Ala Pro Asp Pro  
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Arg Ala Gly Leu Tyr Pro Gly Pro Arg Glu Asp Tyr Ala Leu Pro Ala  
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130 135 140  
Leu Trp Ser Lys Phe Asn Gln His Gln Thr Glu Met Ile Ile Thr Lys  
145 150 155 160  
Gln Gly Arg Arg Met Phe Pro Phe Leu Ser Phe Thr Val Ala Gly Leu  
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Glu Pro Thr Ser His Tyr Arg Met Phe Val Asp Val Val Leu Val Asp  
180 185 190  
Gln His His Trp Arg Tyr Gln Ser Gly Lys Trp Val Gln Cys Gly Lys  
195 200 205  
Ala Glu Gly Ser Met Pro Gly Asn Arg Leu Tyr Val His Pro Asp Ser  
210 215 220  
Pro Asn Thr Gly Ala His Trp Met Arg Gln Glu Val Ser Phe Gly Lys  
225 230 235 240  
Leu Lys Leu Thr Asn Asn Lys Gly Ala Ser Asn Asn Val Thr Gln Met  
245 250 255  
Ile Val Leu Gln Ser Leu His Lys Tyr Gln Pro Arg Leu His Ile Val  
260 265 270



Glu Val Asn Asp Gly Glu Pro Glu Ala Ala Cys Ser Ala Ser Asn Thr  
 275 280 285  
 His Val Phe Thr Phe Gln Glu Thr Gln Phe Ile Ala Val Thr Ala Tyr  
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 Gln Asn Ala Glu Ile Thr Gln Leu Lys Ile Asp Asn Asn Pro Phe Ala  
 305 310 315 320  
 Lys Gly Phe Arg Glu Asn Phe Glu Ser Met Tyr Ala Ser Val Asp Thr  
 325 330 335  
 Ser Val Pro Ser Pro Pro Gly Pro Asn Cys Gln Leu Leu Gly Gly Asp  
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 Pro Phe Ser Pro Leu Leu Ser Asn Gln Tyr Pro Val Pro Ser Arg Phe  
 355 360 365  
 Tyr Pro Asp Leu Pro Gly Gln Pro Lys Asp Met Ile Ser Gln Pro Tyr  
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 Trp Leu Gly Thr Pro Arg Glu His Ser Tyr Glu Ala Glu Phe Arg Ala  
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 Val Ser Met Lys Pro Thr Leu Leu Pro Ser Ala Pro Gly Pro Thr Val  
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